50 - alme pay 9586 Comy 7-8 5 to 3858 lener 2 473 - Coment top Cable tool e I } Luan 3 4" Call 3/21/68 spuled. 3870 to 4350 of M. Gambon FILE NOTATIONS Checked by Chief Entered in NID File Copy NID to Field Office Hambo. Entered On S R Sheet Approval Letter Location Map Pinned Disapproval Letter Card Indexed IWR for State or Fee Land AKC COMPLETION DATA: Date Well Completed 5-19-61 Location Inspected Bond released OW.\_\_\_\_ TA.\_\_\_ State of Fee Land GW\_\_\_OS\_\_\_PA. LOGS FILED Driller's Log 6-12-61 Electric Logs (No. ) Lat...... Mi-L.... Sonic... Others

# THE SUPERIOR OIL COMPANY

P. O. BOX G
CORTEZ, COLORADO

December 9, 1960

Mr. D. F. Russell United States Geological Survey 445 Federal Building Salt Lake City, Utah

Dear Mr. Russell:

Attached are three copies of Notice of Intention to Drill Grand Fault Unit #14-24, Emery County, Utah.

Yours very truly,

Original Signed By
W. H. FRASER
W. H. Fraser

WHF/1bc attach.

This Copy To -> cc: Utah Oil & Gas Conservation Commission

File

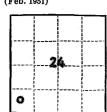
Note: Location plats will follow as soon as they are received.



Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Salt Lake Land Office

U-011978 Unit Grand Fault



# UNITED STATES **DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY**

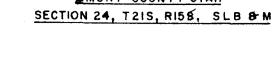
(SUBMIT IN TRIPLICATE)

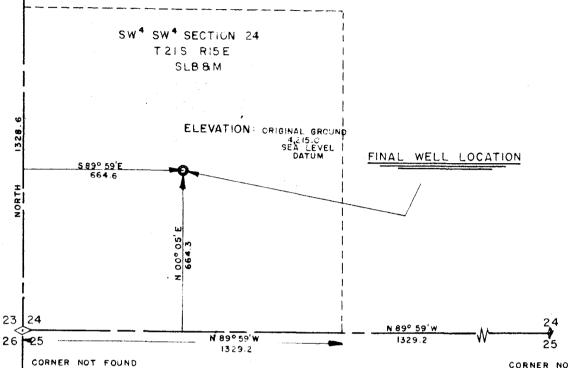
NOTICE OF INTENTION TO CHANGE PLANS		X	SUBSEQUENT REPOR	T OF WATER SHL	T-0FF	
	S		SUBSEQUENT REPOR			
NOTICE OF INTENTION TO TEST WATER S	HUT-OFF		SUBSEQUENT REPOR	T OF ALTERING	CASING	
NOTICE OF INTENTION TO RE-DRILL OR I	REPAIR WELL		SUBSEQUENT REPOR	T OF RE-DRILLIN	G OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACI	IDIZE		SUBSEQUENT REPOR	T OF ABANDONM	ENT	
NOTICE OF INTENTION TO PULL OR ALTE	R CASING		SUPPLEMENTARY WI	LL HISTORY	· 	
NOTICE OF INTENTION TO ABANDON WEL	L					
(INDICATE A	BOVE BY CHECK MA	RK NAT	URE OF REPORT, NOTIC	CE, OR OTHER DAT	·A)	
		**	D.	ecember 9,	1960	, 19
rand Fault Unit		¥1	KJ)		1677.)	
ll No. #14-24 is located	ft. fro	m_ {	$\left\{\begin{array}{c} \text{line and } \begin{array}{c} \bullet \bullet \\ \bullet \end{array}\right\}$	ft. from	$\left\{\overline{\mathbf{W}}\right\}$ line of se	c
i/4 SW/4 Sec. 24 (½ Sec. and Sec. No.)	218	151	ge) (	slbm		
	-	•		Meridian)	Marain.	
Wildcat (Field)		mery	odivision)	(St.	Utah ate or Territory)	
	ll to appro	xima	tely 10,600'	McCracken	test.	
Propose to drill wel						
Will set approximate	ely 1000' o	£ 13-	-3/8" surfac	e casing w	ith cement	circu
Will set approximate	<del></del>			_		
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Will set approximate surface.  Will set 5-1/2" cast  I understand that this plan of work mu  mpany The Superior	ing on top	of o	r through an	y commerci	al shows en	count

District Engineer

SUPERI

SUPERIOR OIL CO. EMORY COUNTY UTAH





CORNER NOT FOUND

NOTE: SECTION LINES AND CORNERS WERE PROJECTED FROM N 1/4 CORNER, SECTION 16, T21S, R16E, SLBBM, ACCORDING TO OFFICIAL PLATS OF 1880, BECAUSE NO CORNERS WERE FOUND IN TOWNSHIP. TIE MADE BY TRIANGULATION NET.

GRAND FAULT UNIT 14-24

I, WARD O. AMSBURY, DO HEREBY CERTIFY THAT
THIS MAP WAS PLOTTED FROM FIELD NOTES
OF AN ACTUAL SURVEY MADE UNDER MY SUPERVISION
ON DECEMBER 1, 1960.

UTAH REGISTERED LAND SURVEYOR, REG NO. 1962

SCALE: 1" # 400'

HOLDER ENGINEERING SERVICE
FINAL WELL LOCATION

GRAND FAULT UNIT

14-24
SUPERIOR OIL CO.

SUPERIOR OIL CO.

DRAWN BY

\_WOA \_ \_

CHECKED BY WOA

MOAB, UTAH | AA-114 | DEC. 1, 1960

## THE SUPERIOR OIL COMPANY

P. O. BOX G CORTEZ, COLORADO

December 12, 1960

Mr. D. F. Russell United States Geological Survey 445 Federal Building Salt Lake City, Utah

Dear Mr. Russell:

Attached are three copies of the location plat on the Grand Fault Unit #14-24, Emery County, Utah. These plats are to accompany the Notice of Intention to Drill which were sent to you on December 9, 1960.

Yours very truly,

ORIGINAL SIGNED BY D. D. KINGMAN

D. D. Kingman

/lbe attach.

This Copy To -> cc: Utah Oil & Gas Conservation Commission (2) File

## December 13, 1960

The Superior Oil Company P. O. Drawer 'C' Cortes, Colorado

Attention: W. H. Fraser, Dist. Eng.

Contlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Grand Fault Unit #14-24, which is to be located 664 feet from the south line and 664 feet from the west line of Section 24, Township 21 South, Range 15 Bast, SLEM, Emery County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spuided in within said period.

Under Rule A-3, the approval of this Commission is not necessary when an unexecuted copy of the unit agreement is on file with this office. In such a case, it is only necessary to file copies of all notices of intention and subsequent reports that are filed with the United States Geological Survey.

Very truly yours,

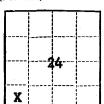
OIL & GAS CONSERVATION COMMISSION

CLEON B. PEIGHT, EXECUTIVE SECRETARY

CBPIRVE

oc: Don F. Russell, Dist. Eng. U. S. Coological Survey

H. L. Coonts - OGCC. Monb



## (SUBMIT IN TRIPLICATE)

## UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

Land Office Salt Lake

U-011978

Unit Grand Fault

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF.
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

			February 8	, 19. <b>61</b>
Grand Fault Unit Well No. 14-24 is located	d 664 ft.	from $\begin{cases} \mathbf{M} \mathbf{X} \\ \mathbf{S} \end{cases}$ line a	nd 664 ft. from W lin	ne of sec. 24
SW SW Sec. 24	218	15E	SLBM	
(1/4 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
Wildcat		Emery	Utab	
(Field)	(Co	unty or Subdivision)	(State or Terri	tory)

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cement-ing points, and all other important proposed work)

Spudded: 1-1-61

Present Depth - 5904'

2-3-61:

DST #1: 5489'-5521' hour initial shut in, 1 hr. test.

Very weak BOA thoghout test. 1 hour final shut in. Recovered 150' of slightly water cut mud, top 90' - 9.2#/gal, bottom 60' 8.6#/gal, BHT-118° F., ISIP-2055#, FP-75#-95#, FSIP-1730#,

HP-2862#-2862#.

I understand that this plan of work must receive approval in writing by the Geological Eurvey before operations may be commanded USGS - 2 Company The Superior Oil Company State-1 Maurer-4 Address P. O. Drawer 'G' File. Cortez, Colorado





Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land Office Salt Lake

U-011978

Grand Fault



# UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

(SUBMIT IN TRIPLICATE)

SUND	RY NOTICE	S AND REI	PORTS ON WELLS	, <i>'</i>
NOTICE OF INTENTION TO D	RILL	SUBSEQUE	NT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO C	HANGE PLANS	SUBSEQUE	NT REPORT OF SHOOTING OR ACIDIZING.	
NOTICE OF INTENTION TO T	EST WATER SHUT-OFF	SUBSEQUE	NT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO R	E-DRILL OR REPAIR WELL.	SUBSEQUE	NT REPORT OF RE-DRILLING OR REPAIR.	
NOTICE OF INTENTION TO SE	HOOT OR ACIDIZE	SUBSEQUE	NT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO P	ULL OR ALTER CASING	SUPPLEME	NTARY WELL HISTORY	<b>K</b>
NOTICE OF INTENTION TO A	BANDON WELL			
	(INDICATE ABOVE BY CHECK	MARK NATURE OF REPO	ORT, NOTICE, OR OTHER DATA)	-
		<b>***</b> *********************************	February 28	, 19
Grand Fault Vell No. 14-24 i	s located 664 ft. 218	from $\begin{bmatrix} \mathbf{x} \\ \mathbf{S} \end{bmatrix}$ line at	nd <u>664</u> ft. from $\{W\}$ line o	f sec. 24
(¼ Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
ildcat (Field)	***************************************	County or Subdivision)	Utah (State or Territory)	
Spudded:	1-1-61 lan Schlumberger	Pre	lengths of proposed casings; indicate mucoroposed work)  sent Depth - 7163*  to 6579*.	
Log Tops:	Dakota	6031	Shinarump	3312'
mog rope.	Morrison	622*	Moenkopi	3422'
	Entrada	1538'	Sinbad	3931'
	Carmel	1922'	Coconino	4105*
	Kayenta	2340'	Permian Carbonates	4841
	Wingate	27401	Hermosa	5 <b>64</b> 6*
	Chinle	3065	Salt	6567'
	·			
I understand that this plan	of work must receive appr	oval in writing by the G	eological Survey before operations may b	e commenced.
	perior Oil Comp	any		
ompany The Su				
	Drawer 'G'			
ddress P. O.	Drawer 'G'	·	ByORIGINAL SIGNED BY	*

2-23-61 - DST 62: (Straddle Test 6179'-6216')

1/2 hour initial shut-in, I hour test. Very weak blow of air immediately, continued throughout test. I hour final shut-in.

Recovered 190' and and 90' water-cut mid. ISIP 27450, FP 466-1150.

FSIP 25150, Hydrostatic 32150. Bottom packer failed to hold completely.

2-25-61 - DiT #3 (6798'-6845')

1/2 hour initial shut-in, I hour test, fair blow of air immediately, continued throughout test. I hour final shut-in. Recovered 1220' heavily gas cut said. INTP 20038, FP 5504-5968, FSIP 17108, AP 38058.

2-27-61 - DET #4: (6947'-7014')

1/2 hour lattist saut-in, I hour test, fair blow of air immediately,
gas to surface 35 min. Gas blow too small to measure. Recovered
460' heavily gas cut mad. ISIP 7258, FP 190#-2128, FSIP 5158,
HP 38778.

Form	9-330

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Budget Bureau No. 42-R355.4. Approval expires 12-31-60.

U. S. Land Office **U-011978** SERIAL NUMBER

Lease or Permit to Prospect .....

# UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LO	CATE WELL	CORRECTLY		LO	G OF (	OIL OR	RGAS	WEL.	L
Comp	any The	Superior O	il Compa	ny	Addre	P. O. D	rawer 'G',		
Loggoz	on The of	Grand Fau	lt Unit			Wildcat	Sta	Utal te	ì
Well N	Vo. 14-2	4 Sec. 24	r. <b>21</b> 8 R.	15E <sub>Mer</sub>	idian SLB	4	. County	Sports (	o metri
Locati	ion 664	4 Sec. 24 ft. N. of S	Line ar	664 ft.	of W	Line of	ection 24	Elev	ation 4225 1
1.	ne miorma	tion given he determined fr	erewith is	a comple ailable rec	te and corre ords.	ct record of t	he well and	all work o	done thereon
<b>.</b>	hina 2	1061		Si	gned <b>p. p.</b>	-Kingman	Project		*************
		1961					Engineer		
17.	ne summai	ry on this pag	ge is for tl	ne conditie	on of the we	ll at above da	ite.	14	£1
Comm	enced drill	ling <b>J</b>	BINIATY	, 19	Finis	hed drilling -	may		, 19
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					NT WATER				
No. 1,	from		to		No. 3	, from	1	to	
No. 2,	from		to		No. 4	, from		to	
*	7		· .		ING RECO				
Size	Weight	Threads per	Make			1	Perf	orated	
casing	per foot	inch		Amount	Kind of shoe	Cut and pulled	From-	То-	Purpose
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with the	reasons for	the work and	ts results. re its size n	If there we nd location.	fe any change If the well ha	s made in the c s been dynamit	asing state ful ed, give date, si	ly and if a ze, position	hy casing was
}{	+ of the great	est-importance	:		1	1	i	es of redri	ling, together
			HIS	TORY OF	OIL OR (	SAS WELL	10—43094-2	U. S. GOVERHMENT	Printing Oppice
	<u></u>				<del>'</del>				
-			MUDD	ING AND	CEMENT	ING RECOR	ED		
Size casing	Where set	Numbe	r sacks of cen	nent	Method used	Mud grav	ity A	mount of m	ud used
13-3/8	1008		750		Pump & pl	ıg.			
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	ma Matan				von8mr		nehm 26.	V	*

## SHOOTING RECORD

Size	Shell used	Explosive used	Qu	antity	Date	<b>Dep</b>	th shot	Depth	cleaned out
otary tools	were used fro	om0	TOO	LS US	ED foot	~~	1		ili. Litaria de la composición
able tools w	zere used from		feet to	AU, 900	foot	and fr	om	feet	to f
		47							
		<b>, 19</b>		Put	to produ	teing .	idoned	May 19	
The pro	duction for th	e first 24 hour	3 <b>was</b>	b	arrels of	fluid c	f which	bi da % w	as oil;
iulsion;	% water; a	ne first 24 hours	aent.	ibe we	degre man I has been I maicrist	Gravit	7, °Bé	uc luny, and alc, size. pos Fracolia ni o	. S. Ary Joseph Mann, Hold Helo Messer var var
<b>S</b>	o11, ou. 10. por	21 Hours		. Сащ	ons gasol	ine per	1,000 cu	. ft. of gas	3
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Form 9-330

U. S. LAND OFFICE U-011978

Budget Bureau No. 42-R356 4.
Approval expires 12-31-60.
Salt Lake

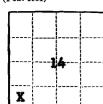




Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land	Office		S	8	1	t	Lake	

Loase No. U-011978
Unit Grand Fault



# (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT
		SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL		
l f	- [	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

	***	rany 10	199.
Grand Fault Unit Well No. 14-24 is located	664 ft. from $\begin{Bmatrix} \mathbf{N} \\ \mathbf{S} \end{Bmatrix}$ line and	664 ft. from \( \begin{array}{c} \tag{\text{W}} \\ \text{W} \end{array} \text{ line of sec. } \(  \)	24
SW SW Sec. 24	21S 15E	ST.RM	
(¾ Sec. and Sec. No.)	(Twp.) (Range)	SLRM (Meridian)	
Wildcat	Grand Emerit	Utah	
(Field)	(County or Subdivision)	(State or Territory)	

The elevation of the derrick floor above sea level is 4224 ft.

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to plug and abandon well by equalizing the following cement plugs:

- #1 50 sacks through drill pipe hung to base of Mississippian.
- #2 50 sacks through drill pipe hung to 9000'.
- #3 50 sacks through drill pipe hung to 6570'.
- #4 50 sacks through drill pipe hung to 4840'.
- #5 50 sacks through drill pipe hung to 2850'.
- \$6 50 sacks through drill pipe hung to 1040'.

Verbal approval by D. F. Russell 5-16-61.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company

The Superior Oil Company

Address

P. O. Drawer 'G'

Original Signed By

Cortez, Colorado

By D. D. Kingman

Title Engineer



DDK/njh

24 x

## (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land Office Salt Lake

Lease No. U-011978

Unit Grand Fault

# SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF	TENTE CALL TO THE TOTAL					1 1
NOTICE OF INTENTION TO CHANGE DIANG						
NOTICE OF INTENTION TO CHANGE PLANS.			()	{		
NOTICE OF INTENTION TO TEST WATER SHUT-OFF				SUBSEQUENT REPORT OF ALTERING CASING.		
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL			SUBSEQUENT F	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.		
NOTICE OF INTENTION TO SHOOT OR ACIDIZE			SUBSEQUENT F	SUBSEQUENT REPORT OF ABANDONMENT		
NOTICE OF INTENTION TO PULL OR ALTER CASING			SUPPLEMENTAL	SUPPLEMENTARY WELL HISTORY		
NOTICE OF IN	TENTION TO ABANDON	WELL				
	(INDICA	ATE ABOVE BY CHECK	K MARK NATURE OF REPORT,	NOTICE, OR OTHE	R DATA)	
	,		***************************************	May 2	9,	19 61
ou s	14-24 is loca		1 2:12	OT BEM	$\operatorname{Fom}\left\{egin{array}{c} \mathbf{KX} \\ \mathbf{W} \end{array}\right\}$ line of sec.	24
(¼ Sec.	W Sec. 24 and Sec. No.)	(Twp.)	(Range)	(Meridian)		
					Utah	
Wildcat (Field) (Cour			County or Subdivision)	ty or Subdivision)   (State or Territory)		
The elevation		D o objective sands; s	ETAILS OF WORK	ths of proposed ca	asings; indicate mudding jobs,	, cement-
(State names of		D o objective sands; s ing points, a	ETAILS OF WORK how sizes, weights, and leng	ths of proposed ca osed work)	asings; indicate mudding jobs,	
	January 1, 1	Do objective sands; sing points, a	ETAILS OF WORK how sizes, weights, and leng	ths of proposed crosed work)  1gged & Ab		
(State names of Spudded: I.D.: Casing:	January 1, 1 10,606' 13-3/8" 48# Dakota	Do objective sands; sing points, a 961  set at 1008	ETAILS OF WORK how sizes, weights, and leng nd all other important prope Plu  With 750 sacks Shinarump	ths of proposed crossed work)  ligged & Ab.  3.12	andoned: May 19, Base of Salt	1961 896
(State names of Spudded:	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison	Do objective sands; sing points, a 961  set at 1008  603 <sup>1</sup> 622 <sup>1</sup>	ETAILS OF WORK how sizes, weights, and leng nd all other important prop Plu  With 750 sacks Shinarump Moenkopi	ths of proposed crossed work)  ligged & Ab  3.  3.12  3.422	andoned: May 19,  Base of Salt  Molas	896 943
(State names of Spudded: F.D.: Casing:	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada	o objective sands; sing points, a 961  set at 1008  603' 622' 1538'	ETAILS OF WORK how sizes, weights, and leng nd all other important prop Plu  S with 750 sacks Shinarump Moenkopi Sinbad	ths of proposed crossed work)  igged & Ab  3312' 3422' 3931'	andoned: May 19,  Base of Salt  Molas  Mississippian	896 943 953
(State names of Spudded: F.D.: Casing:	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada Carmel	Do objective sands; sing points, a 961  set at 1008 603' 622' 1538' 1922'	ETAILS OF WORK how sizes, weights, and leng nd all other important prop Plu  S' with 750 sacks Shinarump Moenkopi Sinbad Coconino	ths of proposed crossed work)  igged & Ab  3312' 3422' 3931' 4105'	andoned: May 19,  Base of Salt  Molas  Mississippian Ouray	8961 8969 943 953
(State names of Spudded: F.D.: Casing:	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada Carmel Kayenta	Do objective sands; sing points, a 961  set at 1008 603' 622' 1538' 1922' 2340'	ETAILS OF WORK how sizes, weights, and leng nd all other important property  Plu  With 750 sacks  Shinarump Moenkopi Sinbad Coconino Permian Carb.	3312' 3422' 3931' 4105' ;4841'	andoned: May 19,  Base of Salt  Molas  Mississippian	8961 8969 943 953
(State names of Spudded: F.D.: Casing:	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada Carmel Kayenta Wingate	Do objective sands; sing points, a 961  set at 1008  603' 622' 1538' 1922' 2340' ;2740'	ETAILS OF WORK how sizes, weights, and leng nd all other important proper Plu  With 750 sacks Shinarump Moenkopi Sinbad Coconino Permian Carb. Hermosa	3312' 3422' 3931' 4105' ;4841' 5646'	andoned: May 19,  Base of Salt  Molas  Mississippian Ouray	8961 896 943 953 1020
(State names of Spudded: F.D.: Casing:	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada Carmel Kayenta	Do objective sands; sing points, a 961  set at 1008 603' 622' 1538' 1922' 2340'	ETAILS OF WORK how sizes, weights, and leng nd all other important property  Plu  With 750 sacks  Shinarump Moenkopi Sinbad Coconino Permian Carb.	3312' 3422' 3931' 4105' ;4841'	andoned: May 19,  Base of Salt  Molas  Mississippian Ouray	8961 8969 943 953
(State names of Spudded: F.D.: Casing: Log Tops:	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada Carmel Kayenta Wingate Chinle	Do objective sands; sing points, a 961  set at 1008 603' 622' 1538' 1922' 2340' ;2740' 3065'	ETAILS OF WORK how sizes, weights, and leng nd all other important prop  Plu  S with 750 sacks  Shinarump Moenkopi Sinbad Coconino Permian Carb. Hermosa Salt	3312' 3422' 3931' 4105' ;4841' 5646' 6567'	andoned: May 19,  Base of Salt  Molas  Mississippian Ouray	896 943 953 1029
(State names of Spudded: F.D.: Casing: Log Tops:	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada Carmel Kayenta Wingate Chinle	Do objective sands; sing points, a 961  set at 1008 603' 622' 1538' 1922' 2340' ;2740' 3065'	ETAILS OF WORK how sizes, weights, and leng nd all other important prop  Pla  With 750 sacks  Shinarump Moenkopi Sinbad Coconino Permian Carb. Hermosa Salt  Toval in writing by the Geolo	3312' 3422' 3931' 4105' ;4841' 5646' 6567' gical Eurvey befo	Base of Salt Molas Mississippian Ouray Elbert	8961 896 943 953 1020 1029
(State names of Spudded: T.D.: Casing: Log Tops:  I understand	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada Carmel Kayenta Wingate Chinle	0 objective sands; sing points, a 961  set at 1008 603' 622' 1538' 1922' 2340' ;2740' 3065' k must receive appr	ETAILS OF WORK how sizes, weights, and leng nd all other important prop  Plu  Shinarump Moenkopi Sinbad Coconino Permian Carb. Hermosa Salt  roval in writing by the Geolo	3312' 3422' 3931' 4105' ;4841' 5646' 6567' gical Eurvey befo	Base of Salt Molas Mississippian Ouray Elbert	896 943 953 1020 1029
(State names of Spudded: T.D.: Casing: Log Tops:  I understand Company 1	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada Carmel Kayenta Wingate Chinle Ithat this plan of worl	00 objective sands; sing points, a 961  set at 1008 603' 622' 1538' 1922' 2340' ;2740' 3065' k must receive appr	ETAILS OF WORK how sizes, weights, and leng nd all other important prop- Pla  With 750 sacks Shinarump Moenkopi Sinbad Coconino Permian Carb. Hermosa Salt roval in writing by the Geolo	3312' 3422' 3931' 4105' ;4841' 5646' 6567' gical Survey befo	Base of Salt Molas Mississippian Ouray Elbert	896 943 953 1020 1029
(State names of Spudded: T.D.: Casing: Log Tops:  I understand Company 1	January 1, 1 10,606' 13-3/8" 48# Dakota Morrison Entrada Carmel Kayenta Wingate Chinle I that this plan of worl The Superior P. O. Drawer	00 objective sands; sing points, a 961  set at 1008 603' 622' 1538' 1922' 2340' ;2740' 3065' k must receive appr	ETAILS OF WORK how sizes, weights, and leng nd all other important prop- Pla  With 750 sacks Shinarump Moenkopi Sinbad Coconino Permian Carb. Hermosa Salt roval in writing by the Geolo	3312' 3422' 3931' 4105' ;4841' 5646' 6567' gical Survey befo	Base of Salt Molas Mississippian Ouray Elbert	896 943 953 1020 1029

DDK/ba

## Drill Stem Tests:

- DST #1: 5489-5521' hour ISI, 1 hour test. Very weak blow of air throughout, 1 hour FSI. Rec. 150' of slightly water cut mud. ISIP-2055#, FP-75#-95#, FSIP-1730#, HP-2862.
- DST #2: 6179-6216' ½ hour ISI, 1 hour test. Very weak blow of air throughout, 1 hour FSI. Rec. 190' mud and 90' water cut mud. ISIP-2745#, FP-46#-115#, FSIP-2515#, HP-3215#.
- DST #3: 6798-6845' \( \frac{1}{3} \) hour ISI, 1 hour test. Fair blow of air throughout, 1 hour FSI. Rec. 1220' heavily gas cut mud.
- DST #4: 6947'-7014' % hour ISI, 1 hour test. Fair blow of air immediately.

  Gas to surface in 35 mins TSTM. Rec. 460' heavily gas cut mud.

  ISIP-715#, FP-190#-212#, FSIP-515#, HP-3877#.
- DST #5: 8412-8454' ½ hour ISI, 1 hour test. GTS in 3 mins, TSTM decreasing throughout test, 1 hour FSI. Rec. 530' Gas cut mud. ISIP-1225#, FP-87#-155#, FSIP-2815#, HP-5082#.
- DST #6: 9180'-9203' hour ISI, I hour test. Fair blow of air throughout test, I hour FSI. Rec. 30' Water cut mud. ISIP-1580#, FP-35#-35#, FSIP-2745#, HP-:5785#
- DST #7: 9555-9652' hour ISI, 1 hour test. Very weak blow of air throughout, 1 hour FSI. Rec. 170' mud, 200' mud cut water. EX ISIP-4295#, FP-175#-240#, FSIP-4165#, HP-5720#.
- DST #8: 9705'-9753' hour ISI, 1 hour test, Fair blow of air throughout, 1 hour FSI. Rec. 600' water cut mud, 5700' salt water. ISIP-4535#, FP-735#-3195#, FSIP-4535#, HP-:5760#.
- Plugged and abandoned well by equalizing the following cement plugs:
  - #1 50 sacks through drill pipe hung to 10,250'.
  - #2 ;50 sacks through drill pipe hung to 9,000'.
  - #3 50 sacks through drill pipe hung to 6,570'.
  - #4 50 sacks through drill pipe hung to 4,840'.
  - #5 50 sacks through drill pipe hung to 2,850'.
  - #6 50 sacks through drill pipe hung to 1,030'. Checked top of plug #6 at 962'.

Placed 10 sack plug at surface and erected standard dry hole marker. Pit is now fenced and will be filled this summer.